

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	375/375.ccls. and MLSE and (stor\$5 near preamble)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:16
L2	0	375/375.ccls. and MLSE and ((phase adj detect\$5) with preamble)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:17
L3	0	375/375.ccls. and MLSE and ((phase adj detect\$5) same preamble)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:17
L4	1	375/375.ccls. and MLSE and (phase adj rotator)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:18
L5	1	375/375.ccls. and MLSE and (phase adj detector)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:18
L6	1	375/375.ccls. and MLSE and (phase adj detect\$5)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:19
L7	3	375/375.ccls. and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:18
L8	30	375/375.ccls. and ((phase adj detect\$5) with stor\$5)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:24
L9	1	375/375.ccls. and ((phase adj detect\$5) and MLSE)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:24
L10	29	"375"/\$.ccls. and ((phase adj detect\$5) and MLSE)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:24
L11	24	"375"/\$.ccls. and ((phase adj detector) and MLSE)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:24
L12	8	"375"/\$.ccls. and (phase adj detector) and MLSE and (preamble)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:53
L13	4	("6085351"   "6144708"   "6334203"   "6473470").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 08:26
L14	2	("4164623"   "5525935").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 08:27
L15	4	("6085351"   "6144708"   "6334203"   "6473470").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 08:27

## EAST Search History

L16	0	((select\$5 near input) same (phase adj detector)) and MLSE and (preamble)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:28
L17	1	(preamble with (phase adj detector)) and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:30
L18	0	((sto\$5 adj sync\$8) with (phase adj detector)) and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:32
L19	4	((sto\$5 ) with (phase adj detector)) and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:33
L20	4	(phase adj detector) with MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:37
L21	2439	switch\$6 with (phase adj detector)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:38
L22	572	switch\$6 near2 (phase adj detector)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:38
L23	1	preamble with L22	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:39
L24	1	"6144708".pn.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:39
L25	4	("4647984"   "4918393"   "5999542"   "6002717").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 08:40
L26	15	("6144708").URPN.	USPAT	OR	OFF	2007/05/01 08:41
L27	1	"375"/327.ccls. and (phase adj detector) and MLSE and (preamble)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:53
L28	3	"375"/327.ccls. and (phase adj detector) and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:54
L29	1	"375"/376.ccls. and (phase adj detector) and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:54
L30	7	"375"/376.ccls. and (preamble with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:17
L31	3	("6134280"   "6144708"   "6347126").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 08:57

## EAST Search History

L32	0	"375"/376.ccls. and (taining with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:18
L33	5	"375"/376.ccls. and (training with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:19
L34	1	"375"/\$.ccls. and (training with (phase adj detector)) and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:19
L35	0	((stor\$5 near training) with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:20
L36	2	((stor\$5 with training) with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:22
L37	4	( training with switch\$5 with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:23
L38	0	375/375.ccls. and ( training with switch\$5 with (phase adj detector))	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:38
L39	1	"5251233".pn.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 09:38
L40	33	("5251233").URPN.	USPAT	OR	OFF	2007/05/01 09:46
L41	1	"5706314".pn.	USPAT	OR	OFF	2007/05/01 09:46
S1	0	375/376.ccls. and MLSE and (phase adj rotat\$6)	USPAT	OR	OFF	2006/11/05 11:10
S2	2	375/376.ccls. and MLSE	USPAT	OR	OFF	2006/10/30 16:20
S3	51	375/376.ccls. and (phase adj rotat\$7)	USPAT	OR	OFF	2006/10/30 16:20
S4	1	"5742745".pn.	USPAT	OR	OFF	2006/10/31 12:28
S5	1	"5079770".pn.	USPAT	OR	OFF	2006/10/31 15:53
S6	1	"6377620".pn.	USPAT	OR	OFF	2006/10/31 15:53
S7	0	"375"/\$.ccls. and (MLSE same (phase adj rotat\$6) same preamble)	USPAT	OR	OFF	2006/11/05 11:11
S8	6	"375"/\$.ccls. and (MLSE same (phase adj rotat\$6) )	USPAT	OR	OFF	2006/11/05 11:35
S9	5	"375"/\$.ccls. and (MLSE same (preamble) )	USPAT	OR	OFF	2006/11/05 11:45
S10	3	"375"/\$.ccls. and (MLSE same (phase adj rotat\$6) ) and preamble	USPAT	OR	OFF	2006/11/05 11:38
S11	0	(MLSE same (phase adj rotat\$6) ) and (preamble with (phase adj detector))	USPAT	OR	OFF	2006/11/05 11:41

## EAST Search History

S12	0	(MLSE) and (preamble with (phase adj detector))	USPAT	OR	OFF	2006/11/05 11:39
S13	42	(preamble with (phase adj detector))	USPAT	OR	OFF	2006/11/05 11:39
S14	0	(MLSE same (phase adj rotat\$6) ) and (preamble with (phase adj detector))	USPAT	OR	OFF	2006/11/05 11:42
S15	0	"375"/\$.ccls. and (MLSE same (stored adj preamble) )	USPAT	OR	OFF	2006/11/05 11:45
S16	2	"375"/\$.ccls. and (MLSE and (stored adj preamble) )	USPAT	OR	OFF	2006/11/05 11:49
S17	2	(MLSE and (stored adj preamble) )	USPAT	OR	OFF	2006/11/05 11:47
S18	0	(MLSE same (stored adj preamble) )	USPAT	OR	OFF	2006/11/05 11:47
S19	0	(viterbi same (stored adj preamble) )	USPAT	OR	OFF	2006/11/05 11:47
S20	0	(phase adj detector) same (stored adj preamble)	USPAT	OR	OFF	2006/11/05 11:47
S21	2	(PLL) same (stored adj preamble)	USPAT	OR	OFF	2006/11/05 11:47
S22	9	("4829543"   "5151926"   "5177740"   "5343498"   "5400362"   "5402450"   "5570370"   "6002279"   "6438186"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/05 11:48
S23	0	"375"/376.ccls. and ((stored adj preamble) )	USPAT	OR	OFF	2006/11/05 11:49
S24	133	"375"/376.ccls. and (( preamble) )	USPAT	OR	OFF	2006/11/05 11:49
S25	0	"375"/376.ccls. and (( MLSE same preamble) )	USPAT	OR	OFF	2006/11/05 11:49
S26	0	"375"/376.ccls. and (( MLSE and preamble) )	USPAT	OR	OFF	2006/11/05 11:50
S27	1	"375"/375.ccls. and (( MLSE and preamble) )	USPAT	OR	OFF	2006/11/05 11:50
S28	1	"5311523".pn.	USPAT	OR	OFF	2006/11/07 15:51
S29	0	"55245611".pn.	USPAT	OR	OFF	2006/11/07 15:51
S30	1	"5245611".pn.	USPAT	OR	OFF	2006/11/07 15:53
S31	1	"5251533".pn.	USPAT	OR	OFF	2006/11/07 15:54
S32	1	"5251233".pn.	USPAT	OR	OFF	2006/11/07 15:56
S33	52	375/232.ccls. and (phase adj detector)	USPAT	OR	OFF	2006/11/07 15:58
S34	8	375/232.ccls. and (phase adj detector) and (phase adj rotat\$8)	USPAT	OR	OFF	2006/11/07 16:03
S35	3	("6134280"   "6144708"   "6347126"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/07 16:00
S36	0	375/232.ccls. and (phase adj detector) and (stored near preamble)	USPAT	OR	OFF	2006/11/07 16:02

## EAST Search History

S37	0	375/232.ccls. and (phase adj detector) and (stor\$5 near preamble)	USPAT	OR	OFF	2006/11/07 16:03
S38	1	375/232.ccls. and (phase adj detector) and (stor\$5 near training)	USPAT	OR	OFF	2006/11/07 16:02
S39	1	375/231.ccls. and (phase adj detector) and (stor\$5 near training)	USPAT	OR	OFF	2006/11/07 16:02
S40	0	375/231.ccls. and (phase adj detector) and (stor\$5 near preamble)	USPAT	OR	OFF	2006/11/07 16:03
S41	4	375/231.ccls. and (phase adj detector) and (phase adj rotat\$8)	USPAT	OR	OFF	2006/11/07 16:04
S42	0	375/231.ccls. and (phase adj detector) and (MLSE)	USPAT	OR	OFF	2006/11/07 16:04
S43	0	375/231.ccls. and (phase adj detector) and (MLSE)	USPAT	OR	OFF	2006/11/07 16:05
S44	19	375/231.ccls. and (MLSE)	USPAT	OR	OFF	2006/11/07 16:05
S45	0	375/231.ccls. and (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:05
S46	1	375/229.ccls. and (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:10
S47	0	375/376.ccls. and (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:06
S48	0	375/375.ccls. and (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:06
S49	2	"375"/\$.ccls. and MLSE and (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:06
S50	10	"375"/\$.ccls. and MLSE and (stored adj train\$5)	USPAT	OR	OFF	2006/11/07 16:07
S51	0	375/231.ccls. and (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:10
S52	11	375/231.ccls. and (stored adj training adj sequence)	USPAT	OR	OFF	2006/11/07 16:12
S53	13	375/231.ccls. and (phase adj detector)	USPAT	OR	OFF	2006/11/07 16:14
S54	24	375/231.ccls. and (phase adj rotat\$6)	USPAT	OR	OFF	2006/11/07 16:16
S55	4	375/231.ccls. and (phase adj rotat\$6) and (phase adj detector)	USPAT	OR	OFF	2006/11/07 16:18
S56	8	375/232.ccls. and (phase adj rotat\$6) and (phase adj detector)	USPAT	OR	OFF	2006/11/07 16:19
S57	19	375/231.ccls. and (MLSE)	USPAT	OR	OFF	2006/11/07 16:22
S58	1	"5577068".pn.	USPAT	OR	OFF	2006/11/07 16:23
S59	0	(phase adj rotat\$8) same (phase adj detect\$8) same (stored adj preamble)	USPAT	OR	OFF	2006/11/07 16:24
S60	0	(phase adj rotat\$8) same (phase adj detect\$8) same (stored adj reference)	USPAT	OR	OFF	2006/11/07 16:24

## EAST Search History

S61	221	(phase adj rotat\$8) same (phase adj detect\$8)	USPAT	OR	OFF	2006/11/07 16:24
S62	6	(phase adj rotat\$8) same (phase adj detect\$8) same (preamble)	USPAT	OR	OFF	2006/11/07 16:31
S63	3	("3962637"   "6144708"   "6151371").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/07 16:25
S64	2467	(phase adj detect\$8) with (switch\$7)	USPAT	OR	OFF	2006/11/07 16:32
S65	1472	(phase adj detect\$8) with (switch)	USPAT	OR	OFF	2006/11/07 16:32
S66	17	("5406593").URPN.	USPAT	OR	OFF	2006/11/10 08:33
S67	146	375/375.ccls. and switch	USPAT	OR	OFF	2006/11/10 08:34
S68	0	375/375.ccls. and (switch same (training adj sequence))	USPAT	OR	OFF	2006/11/10 08:34
S69	4	375/375.ccls. and (switch same (training ))	USPAT	OR	OFF	2006/11/10 08:34
S70	6	("4069462"   "5525935"   "5610954"   "5610955"   "5787135"   "5987085").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/10 08:43
S71	7	("5870427"   "5907583"   "6055415"   "6222878"   "6243423"   "6377640"   "6456608").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/10 09:09
S72	28	375/376.ccls. and (training adj sequence)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/10 09:21
S73	9	"6144708"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/10 09:21
S74	2	375/375.ccls. and MLSE	USPAT	OR	OFF	2007/04/26 17:52
S75	3	375/375.ccls. and MLSE	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/01 08:16